

Atty. Dkt. No. 034827-1303

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Doug Hui Huang

Title: HIGH THROUGHPUT
CYTOCHROME P450
GENOTYPING

Appl. No.: 10/615,497

Filing Date: 07/07/2003

Examiner: Unknown

Art Unit: 1632

<p>CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below.</p> <p><u>DIANE GARCIA</u> (Printed Name)</p> <p><u><i>Diane Garcia</i></u> (Signature)</p> <p><u>1-22-04</u> (Date of Deposit)</p>

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to Pre-OG Notice from Office of Patent Legal Administration dated July 25, 2003, *Information Disclosure Statements May Be Filed Without*

Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even

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Respectfully submitted,

Date 1/21/04

By Barry Wilson

FOLEY & LARDNER

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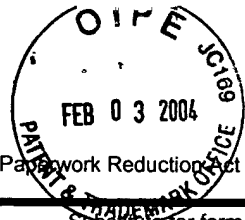
Telephone: (858) 847-6722

Facsimile: (858) 792-6773

Barry S. Wilson

Attorney for Applicant

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		Application Number	10/615,497
		Filing Date	07/07/2003
		First Named Inventor	Doug Hui Huang
		Group Art Unit	1632
		Examiner Name	
Sheet	1	of	10
		Attorney Docket Number	034827-1303

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	5,648,482		Meyer	07-15-1997	
	A2	5,981,174		Wolf et al.	11-09-1999	
	A3	6,060,253		Gelboin et al.	05-09-2000	
	A4	6,183,963		Sinnett et al.	02-06-2001	

FOREIGN PATENT DOCUMENTS								
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	A5	WO	00/66775		Sumitomo Pharmaceuticals			

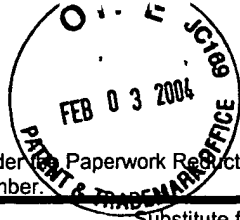
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	A6	Belpaire and Bogaert, Cytochrome P450: genetic polymorphism and drug interactions, Acta Clin Belg 51:254-60, 1996.	
	A7	Bertilsson and Dahl, Polymorphic drug oxidation: Relevance to the treatment of psychiatric disorders, CNS Drugs 5:200-223, 1996.	
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Sheet 2 of 10

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NON PATENT LITERATURE DOCUMENTS

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	A10	Chauret et al., In Vitro Comparison of P450-Mediated Metabolic Activities in Human, Dog, Cat, and Horse, Drug Metabolism and Disposition 25:1130-1136, 1997	
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Sheet	3	of	10
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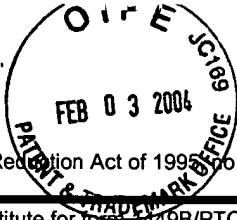
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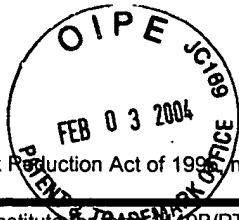
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	A27	Fischer et al., The antipsychotic clozapine is metabolized by the polymorphic human microsomal and recombinant cytochrome P450 2D6, J. Pharmacol. Exp. Ther. 260:1355-1360, 1992	
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NON PATENT LITERATURE DOCUMENTS

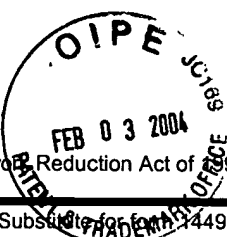
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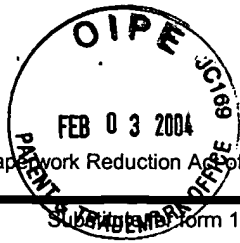
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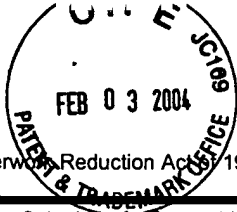
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	A50	Legrand-Andreoletti et al., Cytochrome P450 CYP2D6 gene polymorphism and lung cancer susceptibility in Caucasians, Pharmacogenetics 8:7-14, 1998	
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		Application Number	10/615,497
		Filing Date	07/07/2003
		First Named Inventor	Doug Hui Huang
		Group Art Unit	1632
		Examiner Name	
Sheet	8	of	10
		Attorney Docket Number	034827-1303

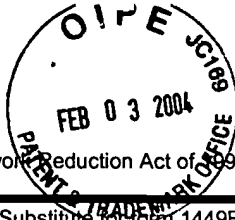
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	A58	Mogil, The genetic mediation of individual differences in sensitivity to pain and its inhibition, Proc. Natl. Acad. Sci. 96:7744-7751, 1999	
	A59	Nasu et al., Genetic analysis of CYP2C9 polymorphism in a Japanese population, Pharmacogenetics 7: 405-409, 1997	
	A60	Nunoya et al., A new deleted allele in the human cytochrome P450 2A6 (CYP2A6) gene found in individuals showing poor metabolic capacity to coumarin and (+)-cis-3,5-dimethyl-2(3-pyridyl)thiazolidin-4-one hydrochloride (SM-12502), Pharmacogenetics 8, 239-249, 1998	
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	A62	Rautio et al., Interindividual variation of coumarin- hydroxylation in healthy volunteers, Pharmacogenetics 2, 227-233, 1992	
	A63	Sabbagh et al., Genetic analysis of the cytochrome P450 CYP2D6 polymorphism in patients with systemic lupus erythematosus, Pharmacogenetics 8:191-4, 1998	
	A64	Schmitz et al., "Pharmacogenomics: implications for laboratory medicine." Clinica Chimica Acta 308:43-53, 2001	
	A65	Schur et al., Genotyping of cytochrome P450 2D6*3 and *4 mutations using conventional PCR, Clinica Chimica Acta 308, 25-31, 2001	

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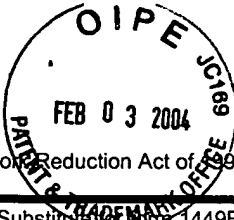
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	A66	Stephens et al., "Ethnic variation in the CYP2E1 gene: polymorphism analysis of 695 African-American, European-Americans and Taiwanese." Pharmacogenetics 4, 185-192, 1994	
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	A73	Ward et al., The activation of the biguanide antimalarial prguanil co-segregates with the mephenytoin oxidation polymorphism – a panel study, Br. J. Clin. Pharmacol. 31, 689-692, 1991	

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	A74	Weber et al., "Pharmacogenetic Testing," Encyclopedia of Analytical Chemistry, Robert A. Myers editor, John Wiley & Sons Ltd., Chichester; Volume 2, 2000.	
	A75	Wilkinson, Cytochrome P4503A (CYP3A) metabolism: prediction of <i>in vivo</i> activity in humans, J Pharmacokinet Biopharm 24:475-90, 1996	
	A76	Wolf et al., Chapter 18. Cytochrome P450 CYP2D6, IARC Sci Publ 148:209-29, 1999	
	A77	Yasar et al., Validation of methods for CYP2C9 genotyping: frequencies of mutant alleles in a Swedish population. Biochem Biophys Res Commun 254:628-31, 1999 (abstract).	

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